FIG. 5 is a schematic representation of still another embodiment of an olefin trimerization process wherein catalyst system and reactor heavies are removed after a separation sequence.

FIG. 6 is a schematic representation of yet another embodiment of an olefin trimerization process wherein catalyst system and reactor heavies stream(s) can undergo further product separation.

It should be noted that other embodiments including use of two columns to separate trimerized product(s), as in FIG. 1, or a solventless system, as in FIG. 3, can be employed as variations of FIG. 5. While these drawings describe embodiments of the invention for the purpose of illustration, the invention is not to be construed as limited by the drawings but the drawings are intended to cover all changes and modifications within the spirit and scope thereof.--

In the Claims

Please cancel claims 7-11 without prejudice.

Please amend the following claims:

Claim 1. (Amended) An olefin trimerization system comprising in combination:

a) a reactor;[,]

b) a first [at least one] inlet line for olefin reactant operably connected into said reactor from a first source of [for] olefin reactant;

c) a second inlet line into said reactor from a source of [and] catalyst [system] wherein said first inlet line and said second inlet line are located in said reactor to provide thorough contact within said reactor of the materials they carry,

d[c]) a reactor effluent line [lines] from said reactor for transferring olefin reactant, catalyst and trimerization reaction products[, and] to